

CORPS OF ENGINEERS
NATIONAL DAM INSPECTION PROGRAM
CONNECTICUT RIVER BASIN

LAKE MONOMONAC

MA 00632

DELETED FROM PROGRAM
(LOW HAZARD POTENTIAL)

HAYDEN, HARDING & BUCHANAN, INC.
BOSTON, MASSACHUSETTS
CONTRACT NO. DACW 33-79-C-0012

LAKE MONOMONAC

IDENTIFICATION NO.: MA 00632

TOWN: Winchendon

STREAM: North Branch Millers River

COUNTY & STATE: Worcester County, MA

This dam was effectively eliminated from the project during the early inspection phase. See letter from this office to Corps dated December 13, 1978 enclosed herewith.



Hayden, Harding & Buchanan Inc. Consulting Engineers

December 13, 1978

Department of the Army
New England Division
Corps of Engineers
424 Trapelo Road
Waltham, MA 02154

Attention: Mr. E.P. Gould
Project Manager

Re: National Dam Inspection Program
Contract No. DACW 33-79-C-0012
Our Ref. No. 78-244

Gentlemen:

As required, we are submitting herewith our proposed schedule for the draft submittals on the dams assigned to us.

Please note that we have substituted "Country Club Dam MA 00756" for "Buttery Brook Reservoir Dam MA 00587" which has been breached. This was discussed with Mr. Charles Tiersch of the Corps on 7 November 1978.

As of this date, we have visited all our dam sites. There are, however, several sites which definitely should be reinspected in the spring when snow and ice are gone to allow for a proper inspection. These dams have been placed in the second set of draft submittals due April 9, 1979. It would appear, however, that weather conditions will not have improved sufficiently before this deadline to allow for proper inspection. An extension of the April 9, 1979 due date will be required in order to allow for proper inspection. The dams which definitely should be reinspected are Hillside Beach, South Deerfield Water Supply and Country Club Dam. Also, it is possible that improved inspections of Indian Orchard and Chicopee Falls could be accomplished in the spring.

As discussed earlier with Mr. E.P. Gould and Mr. Charles Tiersch of the Corps, it is our opinion that the "Lake Monomonic" dam is not now functioning as a dam and has not for quite some time. This "dam" is basically an at grade Concrete Spillway. There is a plan on record at the Worcester County Commissioners office dated March 9, 1937 showing the potential to add 5 feet of strutted flashboards above the top of the Spillway. These flashboards have not been used for quite some time and the condition of the Spillway would not allow for their installation without some major repairs.

A letter on file at the County Commissioner's office recapping some history of the dam indicates the flashboards ordered removed after the 1938 flood and this was complied with. An inspection report dated July 8, 1948 indicates some type of flashboards in place, but does not give specifics. Later inspections through 1971 indicate no flashboards in place.

There is also on file at the Commissioner's office plans showing a scheme for lowering a 40 foot section of Spillway approximately 1.7 feet and providing for flashboards 16 inches high within this section. These plans are dated August 22, 1975. The field inspection showed no evidence of this plan being implemented.

Discussion with the Town of Winchendon Public Works department indicated they have no concern with this Spillway acting as a dam.

The following conclusions can be summarized regarding this Spillway:

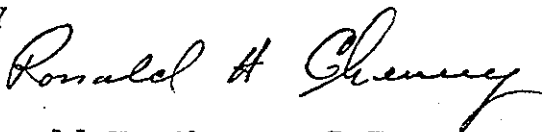
1. Spillway is not presently acting as a dam.
2. Spillway has not functioned as a dam for quite some time.
3. Spillway is not capable of being immediately activated as a dam.
4. There is apparently no interest by the Town of Winchendon to have the Spillway activated as a dam.

In view of the foregoing, it is the opinion of this office that no formal report be completed for this Spillway and that it be eliminated from the program. Unless we hear from you otherwise, we will cease to put any further effort or expense into this Spillway. We have accumulated a small file including pictures which are available if you desire to review same.

Very truly yours,

HAYDEN, HARDING & BUCHANAN, INC.

By



Ronald H. Cheney, P.E.
Associate

RHC/mlr
Enclosures



Downstream bridge and culvert viewed
from spillway crest.



Spillway crest viewed from left abutment.



Downstream view of spillway viewed
from downstream bridge.